



OIEP

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/056,407

DATE: 02/14/2002
 TIME: 16:38:37

Input Set : A:\EP.txt
 Output Set: N:\CRF3\02142002\J056407.raw

ENTERED

3 <110> APPLICANT: MEHENS, LYDIE
 4 LUHRMANN, REINHARD GEORGE
 5 UNION, ANN
 6 RAYMACKERS, JOSEPH
 8 <120> TITLE OF INVENTION: METHYLATED, SMD HOMOLOGOUS PEPTIDES, REACTIVE WITH THE
 ANTIBODIES FROM
 9 SERA OF LIVING BEINGS AFFECTED WITH SYSTEMIC LUPUS ERYTHEMATOSUS
 11 <130> FILE REFERENCE: INNS:011--1
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/056,407
 C--> 13 <141> CURRENT FILING DATE: 2002-01-24
 13 <150> PRIOR APPLICATION NUMBER: US 09/297,981
 14 <151> PRIOR FILING DATE: 1999-05-10
 16 <160> NUMBER OF SEQ ID NOS: 30
 18 <170> SOFTWARE: PatentIn version 3.1
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 19
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Artificial Sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Synthetic Peptide
 28 <220> FEATURE:
 29 <221> NAME/KEY: MISC_FEATURE
 30 <222> LOCATION: (2)..(18)
 31 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 34 <400> SEQUENCE: 1
 W- 36 Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa
 37 1 5 10 15
 W- 40 Gly Xaa Gly
 44 <210> SEQ ID NO: 2
 45 <211> LENGTH: 11
 46 <212> TYPE: PRT
 47 <213> ORGANISM: Artificial Sequence
 49 <220> FEATURE:
 50 <223> OTHER INFORMATION: Synthetic Peptide
 52 <220> FEATURE:
 53 <221> NAME/KEY: MISC_FEATURE
 54 <222> LOCATION: (2)..(10)
 55 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 58 <400> SEQUENCE: 2
 W- 60 Ala Xaa Gly Xaa Gly Xaa Gly Met Gly Xaa Gly
 61 1 5 10
 64 <210> SEQ ID NO: 3
 65 <211> LENGTH: 17
 66 <212> TYPE: PRT

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67 <213> ORGANISM: Artificial Sequence

69 <220> FEATURE:

70 <223> OTHER INFORMATION: Synthetic Peptide

72 <220> FEATURE:

73 <221> NAME/KEY: MISC_FEATURE

74 <222> LOCATION: (7)..(15)

75 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine

78 <400> SEQUENCE: 3

W--> 80 Lys Ala Gln Val Ala Ala Xaa Gly Xaa Gly Xaa Gly Met Gly Xaa Gly
 81 1 5 10 15

84 Asn

88 <210> SEQ ID NO: 4

89 <211> LENGTH: 38

90 <212> TYPE: PRT

91 <213> ORGANISM: Artificial Sequence

93 <220> FEATURE:

94 <223> OTHER INFORMATION: Synthetic Peptide

96 <220> FEATURE:

97 <221> NAME/KEY: MISC_FEATURE

98 <222> LOCATION: (17)..(33)

99 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine

102 <400> SEQUENCE: 4

104 Asp Val Glu Pro Lys Val Lys Ser Lys Lys Arg Glu Ala Val Ala Gly
 105 1 5 10 15

W--> 108 Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly
 109 20 25 30

W--> 112 Xaa Gly Gly Pro Arg Arg
 113 35

116 <210> SEQ ID NO: 5

117 <211> LENGTH: 16

118 <212> TYPE: PRT

119 <213> ORGANISM: Artificial Sequence

121 <220> FEATURE:

122 <223> OTHER INFORMATION: Synthetic Peptide

124 <220> FEATURE:

125 <221> NAME/KEY: MISC_FEATURE

126 <222> LOCATION: (5)..(13)

127 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine

130 <400> SEQUENCE: 5

W--> 132 Asp Asn His Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Xaa Gly Gly Gly
 133 1 5 10 15

136 <210> SEQ ID NO: 6

137 <211> LENGTH: 15

138 <212> TYPE: PRT

139 <213> ORGANISM: Artificial Sequence

141 <220> FEATURE:

142 <223> OTHER INFORMATION: Synthetic Peptide

144 <220> FEATURE:

145 <221> NAME/KEY: MISC_FEATURE

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146 <222> LOCATION: (3)..(13)
 147 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 150 <400> SEQUENCE: 6
 W-> 152 Gly Gly Xaa Gly Xaa Gly Gly Ser Gly Gly Xaa Gly Xaa Gly Gly
 153 1 5 10 15
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 157 <211> LENGTH: 12
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 159 <213> ORGANISM: Artificial Sequence
 161 <220> FEATURE:
 162 <223> OTHER INFORMATION: Synthetic Peptide
 164 <220> FEATURE:
 165 <221> NAME/KEY: MISC_FEATURE
 166 <222> LOCATION: (4)..(10)
 167 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 170 <400> SEQUENCE: 7
 W-> 172 Glu Arg Ala Xaa Gly Xaa Gly Xaa Gly Xaa Gly Glu
 173 1 5 10
 176 <210> SEQ ID NO: 8
 177 <211> LENGTH: 46
 178 <212> TYPE: PRT
 179 <213> ORGANISM: Artificial Sequence
 181 <220> FEATURE:
 182 <223> OTHER INFORMATION: Synthetic Peptide
 184 <220> FEATURE:
 185 <221> NAME/KEY: MISC_FEATURE
 186 <222> LOCATION: (6)..(44)
 187 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 190 <400> SEQUENCE: 8
 W--> 192 Gly Gly Gln Gln Asp Xaa Gly Gly Xaa Gly Xaa Gly Gly Gly Gly
 193 1 5 10 15
 W-> 196 Tyr Asn Xaa Ser Ser Gly Gly Tyr Glu Pro Xaa Gly Xaa Gly Gly Gly
 197 20 25 30
 W--> 200 Xaa Gly Gly Xaa Gly Gly Met Gly Gly Ser Asp Xaa Gly Gly
 201 35 40 45
 204 <210> SEQ ID NO: 9
 205 <211> LENGTH: 18
 206 <212> TYPE: PRT
 207 <213> ORGANISM: Artificial Sequence
 209 <220> FEATURE:
 210 <223> OTHER INFORMATION: Synthetic Peptide
 212 <220> FEATURE:
 213 <221> NAME/KEY: MISC_FEATURE
 214 <222> LOCATION: (6)..(11)
 215 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 218 <400> SEQUENCE: 9
 W-> 220 Gly Gly Gln Gln Asp Xaa Gly Gly Xaa Gly Xaa Gly Gly Gly Gly
 221 1 5 10 15
 224 Tyr Asn

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228 <210> SEQ ID NO: 10
 229 <211> LENGTH: 26
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 233 <220> FEATURE:
 234 <223> OTHER INFORMATION: Synthetic Peptide
 236 <220> FEATURE:
 237 <221> NAME/KEY: MISC_FEATURE
 238 <222> LOCATION: (7)..(24)
 239 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 242 <400> SEQUENCE: 10

W--> 244 Ser Gly Gly Tyr Glu Pro Xaa Gly Xaa Gly Gly Gly Xaa Gly Gly Xaa
 245 1 5 10 15
 W--> 248 Gly Gly Met Gly Gly Ser Asp Xaa Gly Gly
 249 20 25

252 <210> SEQ ID NO: 11
 253 <211> LENGTH: 17
 254 <212> TYPE: PRT
 255 <213> ORGANISM: Artificial Sequence
 257 <220> FEATURE:
 258 <223> OTHER INFORMATION: Synthetic Peptide
 260 <220> FEATURE:
 261 <221> NAME/KEY: MISC_FEATURE
 262 <222> LOCATION: (4)..(15)
 263 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 266 <400> SEQUENCE: 11

W--> 268 Asp Phe Asn Xaa Gly Gly Gly Asn Gly Xaa Gly Gly Xaa Gly Xaa Gly
 269 1 5 10 15
 272 Gly

276 <210> SEQ ID NO: 12
 277 <211> LENGTH: 29
 278 <212> TYPE: PRT
 279 <213> ORGANISM: Artificial Sequence
 281 <220> FEATURE:
 282 <223> OTHER INFORMATION: Synthetic Peptide
 284 <220> FEATURE:
 285 <221> NAME/KEY: MISC_FEATURE
 286 <222> LOCATION: (4)..(21)
 287 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine
 290 <400> SEQUENCE: 12

W--> 292 Asp Phe Asn Xaa Gly Gly Gly Asn Gly Xaa Gly Gly Xaa Gly Xaa Gly
 293 1 5 10 15
 W--> 296 Gly Pro Met Gly Xaa Gly Gly Tyr Gly Gly Gly Gly Ser
 297 20 25

300 <210> SEQ ID NO: 13
 301 <211> LENGTH: 38
 302 <212> TYPE: PRT
 303 <213> ORGANISM: Artificial Sequence
 305 <220> FEATURE:

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306 <223> OTHER INFORMATION: Synthetic Peptide

308 <220> FEATURE:

309 <221> NAME/KEY: MISC_FEATURE

310 <222> LOCATION: (4)..(34)

311 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine

314 <400> SEQUENCE: 13

W--> 316 Gly Asp Asp Xaa Xaa Gly Xaa Gly Gly Tyr Asp Xaa Gly Gly Tyr Xaa

317 1 5 10 15

W--> 320 Gly Xaa Gly Gly Asp Xaa Gly Gly Phe Xaa Gly Gly Xaa Gly Gly Gly

321 20 25 30

W--> 324 Asp Xaa Gly Gly Phe Gly

325 35

328 <210> SEQ ID NO: 14

329 <211> LENGTH: 14

330 <212> TYPE: PRT

331 <213> ORGANISM: Artificial Sequence

333 <220> FEATURE:

334 <223> OTHER INFORMATION: Synthetic Peptide

336 <220> FEATURE:

337 <221> NAME/KEY: MISC_FEATURE

338 <222> LOCATION: (4)..(12)

339 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine

342 <400> SEQUENCE: 14

W--> 344 Gly Asp Asp Xaa Xaa Gly Xaa Gly Gly Tyr Asp Xaa Gly Gly

345 1 5 10

348 <210> SEQ ID NO: 15

349 <211> LENGTH: 26

350 <212> TYPE: PRT

351 <213> ORGANISM: Artificial Sequence

353 <220> FEATURE:

354 <223> OTHER INFORMATION: Synthetic Peptide

356 <220> FEATURE:

357 <221> NAME/KEY: MISC_FEATURE

358 <222> LOCATION: (4)..(22)

359 <223> OTHER INFORMATION: "Xaa" stands for mono- or dimethylated arginine

362 <400> SEQUENCE: 15

W--> 364 Gly Gly Tyr Xaa Gly Xaa Gly Gly Asp Xaa Gly Gly Phe Xaa Gly Gly

365 1 5 10 15

W--> 368 Xaa Gly Gly Gly Asp Xaa Gly Gly Phe Gly

369 20 25

372 <210> SEQ ID NO: 16

373 <211> LENGTH: 19

374 <212> TYPE: PRT

375 <213> ORGANISM: Artificial Sequence

377 <220> FEATURE:

378 <223> OTHER INFORMATION: Synthetic Peptide

380 <400> SEQUENCE: 16

382 Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg Gly Arg

383 1 5 10 15

VERIFICATION SUMMARY

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L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:40 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
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L:244 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
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L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15